

Lepidoptera of Aberdeenshire and Kincardineshire

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General Introduction

It is my intention to issue this account in 3 parts. Part 1 includes the superfamilies Hesperioidea, Papilionoidea, Bombycoidea, Sphingoidea, Notodontoidea and Noctuoidea; part 2 will deal with the Alucitoidea, Pyraloidea and Geometroidea; and part 3 will contain all the remaining superfamilies. The nomenclature throughout is that of Kloet and Hincks, *Check List*, 2nd Edition, revised, 1972.

Many of the records given here are based on observations made since 1968, and only with the less common species have I included records prior to that. Records for the two counties are separated paragraphically except for species which are common in both counties. Aberdeenshire records are preceded by the letter A, those for Kincardineshire by the letter K, and within this format records are generally arranged chronologically. So far as is known all records refer to feral imagines unless otherwise stated, and in the case of larvae I have whenever possible cited the natural foodplants upon which these have been found in the two counties. All records and statements are those of the compiler unless otherwise indicated.

In the preparation of this account I have received much assistance from Lepidopterists who have generously provided me with records. The initials of these contributors appear after their records throughout the main body of the work and their names in full in the list of acknowledgements.

Part 1

Hesperioidea, Papilionoidea, Bombycoidea, Sphingoidea,
Notodontoidea and Noctuoidea

Introduction

To my knowledge the total number of species in these superfamilies listed to date for the two counties is 247. 14 of these species — including 4 because they were not recognised as distinct — are unrecorded by any of the authors of the works in the list of references cited below.

I have purposely excluded from the main body of the account 41 species of the total of 247, the reason being that there are no recent records for these. However, I have briefly listed these 41 hereunder in two groups, and hope in due course to rediscover at least some of those in the first group.

(i) Those which were probably formerly resident here and may still persist:—*Pararge aegeria* L., *Eriogaster lanestris* L., *Leucoma salicis* L., *Setina irrorella* L., *Diaphora mendica* Clerck, *Agrotis clavis* Hufn., *Rhyacia simulans* Hufn., *Peri-*

droma saucia Hübn., *Sideridis albicolon* Hübn., *Melanchra persicariae* L., *Lacania contigua* D. & S., *Orthosia munda* D. & S., *Mythimna litoralis* Curt., *Lithophane ornitopus* Hufn., *Dryobotodes eremita* Fab., *Craniophora ligustri* D. & S., *Dypterygia scabriuscula* L., *Apamea anceps* D. & S., *Pyrrhia umbra* Hufn., *Nycteola revayana* Scop.

(ii) Species recorded on one or two occasions only, are unlikely to be resident, or are of known migratory habit: — *Colias croceus* Geoffroy, *Nymphalis antiopa* L., *Argynnis paphia* L., *Lasiommata megera* L., *Smerinthus ocellata* L., *Daphnis nerii* L., *Deilephila elpenor* L., *Hippotion celerio* L., *Philudoria potatoria* L., *Euproctis similis* Fuessly, *Atolmis rubricollis* L., *Lacania suasa* D. & S., *Blepharita satura* D. & S., *Moma alpium* Osbeck, *Enargia ypsilon* D. & S., *Luperina zollikoferi* Freyer, *Athetis pallustris* Hübn.,¹ *Protoschinia scutosa* D. & S., *Catocala fraxini* L., *Euclidia glyphica* L., *Tyta luctuosa* D. & S.²

I have thought it unnecessary to cite the literature for all of the widespread and common species and have referred to this only if the information therein differs greatly from the present status of those species.

A field record without date signifies the occurrence of a species at that locality with some regularity during the period 1968-73 inclusive, except in the case of the Rothamsted trap at Banchory where all the records are for 1973.

Abbreviations:—Banchory R. T. refers to the Rothamsted trap operated by the Natural Environment Research Council, Hill of Brathens, Banchory. This trap has been in operation since 2.iv.1973 and I have identified all the macrolepidoptera so far taken there. N.N.R.=National Nature Reserve

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REFERENCES

- Barr, W. B. (1901-6). *Trans. Aberd. wkg. Mens. nat. Hist. Soc.*, 1: 132
 Cowie, W. (1901-6). *Trans. Aberd. wkg. Mens. nat. Hist. Soc.*, 1: 20-35.
 Cruttwell, C. T. (1907). *Ent. mon. Mag.*, 43: 256-7.

¹A specimen in the Duncan collection Aberdeen University.

²A specimen in Keighley Museum, Yorks, labelled viii/1908, Aberdeen (J. C. L.).

- DalGLISH, A. A. (1894). *Entomologist*, **27**: 353-5.
 ESSON, L. G. (1890). *Entomologist*, **23**: 168-170.
 GUNNING, M. (1896). *Ent. Rec.*, **7**: 92-4.
 HORNE, A. (1897). *Ent. Rec.*, **9**: 18-19.
 HORNE, A. (1904). *Ent. Rec.*, **16**: 332-4.
 RUSSELL, James E. (1912). *Ent. Rec.*, **24**: 253-9.
 KLOET, G. S., & HINCKS, W. D. (1972). *A Check List of British Insects*, Part 2 (Lepidoptera), 2nd Edition, Revised by D. S. Fletcher, J. D. Bradley and P. E. S. Whalley.
 MORISON, G. D. (1965). *Proc. S. Lond. ent. nat. Hist. Soc.*, **1965**: 77.
 MORISON, G. D. (1966). *Proc. S. Lond. ent. nat. Hist. Soc.*, **1966**: 14.
 PALMER, R. M. (1972). *Ent. Rec.* **84**: 269-71.
 REID, W. (1893). *List of the Lepidoptera of Aberdeenshire and Kincardineshire*.
 SHAW, M. W. (1951). *Entomologist*, **84**: 279.
 SHAW, M. W. & ALLAN, R. M. (1957). *Plant Path.*, **6**: 114.
 SHAW, M. W. & ALLAN, R. M. (1962). *Plant Path.*, **11**: 46.
 SOUTH, R. (1961). *Moths of the British Isles*, Series 1.
 TRAIL, J. W. H., 1878, *Trans. nat. Hist. Soc. Aberdeen*, **1878**: 28-42.
 TUTT, J. W. (1899-1914). *Natural History of the British Lepidoptera*.

HESPERIOIDEA

Hesperiidae

Erynnis tages L.

A. Near Monymusk, regularly observed for many years, last seen c. 1970 (W.McW.).

PAPILIONOIDEA

Pieridae

Pieris brassicae L.

A. & K. Common. Larvae on garden *Brassica*.

P. rapae L.

A. & K. Common. Larvae on garden *Brassica* and *Nasturtium*.

P. napi L.

A. & K. Common. Breeds in marshy areas, larvae on *Cardamine pratensis*, ova on the flowers.

Anthocharis cardamines L.

Local, occurring in marshy areas and common in some.

A. Fintray; Inverurie; Fyvie; New Deer (Trail, 1878). Kintore; Burnharvie; Dess (Reid, 1893). Monymusk; Cluny (Cowie, 1902). Birse; Tarland; Whitehouse; Kincardine O'Neill (Morison, 1965). Potarch, 1970 (G.M.). Near Huntly, common (E.P.). Kintore, common; Tyrebagger Forest, common, 1972 (R.M.P.). Kemnay (W.McW.). Turiff, 1972 (D.G.).

K. Banchory and Strachan (Morison, 1965). Bridge of Bogendreep, common, 1972 (R.M.P.).

Lycaenidae

Callophrys rubi L.

A. Scarce, Fyvie and near Tarland (Trail, 1978). Cluny (Cowie, 1902). Kemnay; Craigenlow (W.McW.). Braemar, one 1960 (E.C.P.-C.). Linn of Dee 1973, common (R.M.P.).

K. Banchory (Reid, 1893). Coast districts (Esson, in Tutt, 1899-1914).

Lycaena phlaeas L.

A. & K. Widely distributed and quite common.

Cupido minimus Fuessly

Local but common (Trail, 1878). Common on the coast, not rare inland (Reid, 1893).

A. Aberarder (James, 1912). Tillyfourie near Alford (W.McW.).

K. Common on the coast south of Aberdeen (Cowie, 1902). Near Cove, a small colony (E.P., R.M.P.).

Aricia artaxerxes artaxerxes Fab.

A. In the Dee valley to 2000 ft; Inverurie, Fyvie (Trail, 1878). Kintore (Barr, 1905) Braemar; Aberarder (James, 1912). Dinnet Muir, one, 1970 (E.P.). Dinnet Oak Wood N.N.R., one, 1970 (E.C.P.-C.). Kemnay (W.McW.).

K. Abundant on the coast south from Aberdeen (Trail, 1878). Locally abundant. Muchalls has long been noted as a good locality (Reid, 1893). St Cyrus; Bervie (Gunning, 1896). Muchalls, common (E.P., R.M.P.).

Polyommatus icarus Rott.

A. & K. Common. Ova on *Lotus corniculatus* (E.C.P.-C.).

Nymphalidae

Vanessa atalanta L.

A. & K. Common some years, particularly along the coast.

Cynthia cardui L.

A. & K. Generally less common than *V. atalanta*, most common along the coast.

Aglais urticae L.

A. & K. Common. Univoltine. Larvae on *Urtica dioica*.

Nymphalis polychloros L.

A. Near Inverurie, two (Trail, 1878). About two miles south-west of Kintore, bred regularly until 1959, larvae on elm. Repeated searches have failed to locate the species since (W.McW.).

Inachis io L.

A. Singly near Aberdeen, Monymusk and Fyvie (Trail,

1878). Kemnay, occasional (W.McW.). Aberdeen links, one, 1968 (A.D.).

Boloria selene D. & S.

Locally common in marshy areas.

A. Aberarder (James, 1912). Dinnet (E.P., E.C.P.-C.). Kintore (R.M.P.). Kemnay (W.McW.). Forest of Birse (R.M.P.). Glentanar, 1972 (E.P.).

K. Blackhall (Horne, 1904). Muchalls (E.P.).

B. euphrosyne L.

Locally common.

A. Braemar (Cowie, 1902). Aberarder (James, 1912). Dinnet; Forvie N.N.R. (E.P., R.M.P.). Braemar 1964; Crathie, 1969 (E.C.P.-C.). Kemnay (W.McW.). Balmoral, 1970; Fintray, 1972 (R.M.P.).

Argynnis aglaja L.

Common on the coast, locally abundant inland (Reid, 1893).

A. Kintore; Monymusk (Cowie, 1902). Braemar; Aberarder (James, 1912). Forvie N.N.R., abundant (R.M.P., E.P., D.S.). Kemnay (W.McW.). Glentanar (R.M.P.). Common in glens around Braemar to 2000 ft. (R.M.P., D.B., E.C.P.-C.).

K. Portlethen; Muchalls (Cowie, 1902). Bervie (Gunning, 1896). Blackhall (Horne, 1904).

Euphydryas aurinia Rott.

A. Local and scarce, Monymusk and Fyvie (Trail, 1878). Pitscurrie Moss; Loch Shangie, Kemnay (Reid, 1893). Pitscurrie Moss (W.McW.).

Satyridae

Erebia epiphron Knoch

Scarce (Esson, 1890).

A. Bennachie, 1961, 1962 (W.McW.).

E. aethiops Esp.

A. Braemar, common; Nigg, one (Trail, 1878). Near Monymusk, formerly (W.McW.). Monymusk, 1957 (common; Potarch, 1972, one (G.M.). Near Huntly, a small colony (E.P.).

Hipparchia semele L.

A. Murcar Links, one (Trail, 1878). Peterhead (Reid, 1893). Forvie N.N.R., common (E.P., A.D., R.M.P.).

K. Common on the coast south of Aberdeen (Trail, 1878). Muchalls (Cowie, 1902). St Cyrus N.N.R., 1961 (E.C.P.-C.). Cove, 1968, one (E.P.).

Maniola jurtina L.

A. & K. Abundant.

Coenonympha pamphilus L.

A. & K. Abundant.

C. tullia Mull.

Abundant, all moors (Reid, 1893).

A. Pitsligo; Braemar (Cowie, 1902). Bennachie (W.McW.).
Glentinar (E.P.). Glens around Braemar (R.M.P., D.B.).

K. Hill of Fare (Cowie, 1902).

Aphantopus hyperantus L.

A. Fyvie; Cruden; Morven; Inverurie (Trail, 1878). Tillyfourie (Reid, 1893). Monymusk (Cowie, 1902), still there, 1958, but colony threatened by afforestation and now (1973) destroyed (W.McW.). [Between Kintore and Kemnay, specimens taken from the threatened Monymusk colony in 1958 and introduced here by W. McWilliam, where the species is now (1973) flourishing].

BOMBYCOIDEA

Lasiocampidae

Poecilocampa populi L.

A. Scarce, Inverurie and Fyvie (Trail, 1878). Pitcaple (Reid, 1893). Not common. Culter; Cluny; Monymusk (Cowie, 1902). Common, Dyce; Bucksburn; Kintore (R.M.P.).

K. Durris Forest (E.P.). Banchory R.T.

Trichiura crataegi L.

A. Morrone Hill (Trail, 1878). Hazelhead, occasional; Cluny (Cowie, 1902). Dyce and Corby Loch, common, 1968 (R.M.P.). Braemar, 1960, 1970 (E.C.P.-C.), one larva on *Calluna*, 1971 (R.M.P.). Ballater, 1971; Cambus o'May, 1973; Dinnet, 1973 (E.C.P.-C.).

K. Hill of Fare, occasional (Cowie, 1902). Blackhall (Horne, 1904). Banchory R.T.

Lasiocampa quercus callunae Palmer

A. & K. Common on moors. Larvae on heather, sometimes abundant in spring.

Macrothylacia rubi L.

A. & K. On moors, usually less common than *L. callunae*. Larvae on heather.

Saturniidae

Saturnia pavonia L.

A. & K. Widespread and not uncommon, mostly on moors. Larvae on heather. Cocoons frequently seen among heather in early spring.

Endromidae

Endromis versicolora L.

Scarce.

A. Tarland (Trail, 1878). Balmoral (Cowie, 1902). Logie-Coldstone; Birse (Morison, 1966). Dinnet, larvae on birch, 1969 (R.M.P.), ?, 1972 (D.B.).

K. Near Banchory, very scarce (Reid, 1891). Blackhall Wood (Horne, in Tutt, 1899-1914). Banchory R.T., ♂, v.1973.

SPHINGOIDEA

Sphingidae

***Agrius convolvuli* L.**

Uncertain (Trail, 1878).

A. Pitcaple; Strichen; Aberdeen; Rubuslaw; Fyvie (Reid, Salter, Mundie, Buchan & Macintosh, in Tutt, 1899-1814). Kemnay, one, c. 1935 (W.McW.), Cults, one, 1937 (G.M.). Bucksburn, one, 1967 (M.S.).

***Acherontia atropos* L.**

Every year, scarce (Trail, 1878).

A. Culter, 1938, one; Aberdeen, 1943, one (G.M.), 1951 (Shaw, 1951), 1967, one (R.M.P.), 1969, one (M.S.). Udney, 1966, one (M.S.).

***Laothoe populi* L.**

A. & K. Common, larvae on willow (R.M.P.), and aspen (E.C.P.-C.).

***Hemaris tityus* L.**

A. Old Aberdeen Links; Inverurie; Scotston Moor; Monymusk (Trail, 1878). Kintore; Cluny; near Lumphanan (Cowie, 1902). Dinnet, 1938, two (G.M.). Between Kemnay and Inverurie (W.McW.).

K. Near Banchory, one, 1942 (G.M.).

***H. fuciformis* L.**

A. W. McWilliam has several specimens collected over many years in the Kemnay area. He tells me the species was first observed in 1929 by the late Mr G. Hartley, flying with *H. tityus* in a wood between Kemnay and Inverurie. W.McW. last saw one between Kemnay and Inverurie c. 1969.

***Macroglossum stellatarum* L.**

Scarce (Trail, 1878). A. Aberdeen, one 1947 (G.M.) Forvie N.N.R., one, 1969 (E.P.).

***Hyles gallii* Rott.**

A. Aberdeen (Trail, 1878). 1888 (A. Horne, in Tutt, 1899-1914). Bucksburn, one, 1946 (G.M.).

K. St Cyrus N.N.R., one, 1973 (J.F.).

***Deilephila porcellus* L.**

A. Scarce on the coast and at Inverurie (Trail, 1878). Old Aberdeen Links, frequent (Cowie, 1902). Kemnay, c. 1950 (W.McW.).

K. Scarce on the coast (Trail, 1878). St Cyrus (Gunning, 1896). Muchalls, frequent (Cowie, 1902). Banchory, one larva, 1951, on *Galium verum*; Newtonhill, one larva, 1957 on *G. verum* (G.M.).

NOTODONTOIDEA

Notodontidae

Phalera bucephala L.

Larvae very common in places (Trail, 1878). Often abundant (Reid, 1891).

A. Near Cults, larvae abundant on sallow, 1954 (E.P.). Kemnay, larvae sometimes common, viz 1972 on plum (W.McW.).

Cerura vinula L.

Not uncommon (Trail, 1878). Common everywhere (Reid, 1893).

A. Not uncommon. Hazelhead; Murtle Den; Culter (Cowie, 1902). Not uncommon as larvae on sallow and willow at Dyce and Forvie N.N.R. (R.M.P.). Aberdeen (E.P.). Ordie, larvae on *Salix atrocinerea*; Ballater, larvae on *S. caprea*; Braemar, *S. repens* (E.C.P.-C.). Cruden Bay, one, 1968 (M.S.).

Harpyia furcula Clerck

Scarce (Trail, 1878). Widely distributed, larvae not uncommon (Reid, 1893).

A. Aberdeen neighbourhood, larvae not uncommon (Cowie, 1902). Corby Loch and Checkbar Moss, larvae on sallows growing in mosses (E.P.).

Notodonta dromedarius L.

Rare (Trail, 1878). Not scarce (Reid, 1893).

A. & K. Larvae common on birch (R.M.P.).

Eligmodonta ziczac L.

Not uncommon, especially as larvae (Trail, 1878).

A. & K. Common. Larvae on sallow (R.M.P., E.P.).

Pheosia gnoma Fab.

Rare (Trail, 1878).

A. Pitcaple, not rare, scarce elsewhere (Reid, 1893). Very scarce. Kintore; Hazelhead; Cluny; Monymusk (Cowie, 1902).

A. & K. Widespread and common from Braemar to the coast. Larvae on sallow (R.M.P.).

P. tremula Clerck

Rather common (Trail, 1878). Larvae common (Reid, 1893). Sometimes very common (Esson, 1890).

A. Hazelhead, not uncommon (Cowie, 1902). Apparently confined to the highlands westward from Dinnet, and much less common than *P. gnoma* (R.M.P.). Dinnet, 1971 (R.M.P., E.P.). Ballater, 1971, 1973 (E.C.P.-C.). Braemar, 1970 (E.C.P.-C.), 1973 (N.G.).

Ptilodon capucina L.

A. & K. Quite common. Larvae on birch.

Odontosia carmelita Esp.

A. Balmoral, one (Cowie, 1902). Monymusk (Palmer, 1972).

K. Durris Forest, one, 1970 (E.P.). Banchory R.T., one, 1973.

Pterostoma palpina Clerck

A. Near Kintore, several, c. 1955 (W.McW.).

NOCTUOIDEA

Lymantriidae

Orgyia antiqua L.

A. & K. Abundant (Trail, 1878). Common. Larvae on willow (Esson, 1890). Not uncommon. Larvae on birch (R.M.P.).

Larvae on *Malus* and *Alnus* (E.C.P.-C.).

Dasychira fascelina L.

On all moors, rather scarce (Trail, 1878).

A. Not uncommon at light, 1968: Tyrebagger Hill; Brimmond Hill; Corby Loch (R.M.P.).

[Cambus o'May; Dinnet, 1973 (E.C.P.-C.).]

Larvae more frequently observed, on *Calluna*: Forvie N.N.R. (E.P.); Glen Muick, 1972 (R.M.P.).

Arctiidae

Nudaria mundana L.

A. Dyce (R.M.P.). Dinnet, 1970; Cambus o'May, 1973; Ordie, 1973 (E.C.P.-C.). Dunecht, larvae abundant on dry stone walls every spring (E.P.).

K. Common on the coast (Esson, 1890). Muchalls (Reid, 1893). Durris Forest (E.P.). Banchory R.T.

Eilema lurideola Zinck.

K. Occasional. Cove; Muchalls; Thornyhive (Trail, 1878) Fairly common. Portlethen; Muchalls (Cowie, 1902). Cove, frequent (E.P.). Muchalls, abundant; Dunnotar Castle, larvae on rocks (R.M.P.). St Cyrus N.N.R., 1961 (E.C.P.-C.).

Parasemia plantaginis L.

Common on moors to 2000 ft. (Trail, 1878). Scarce on moors (Reid, 1893).

A. Scotston Moor (Cowie, 1902). Kintore (Barr, 1905). Dinnet, 1969 (R.M.P.). Braemar (E.C.P.-C., R.M.P.). Forvie N.N.R., larvae common (E.P.).

K. Muchalls (Cowie, 1902). Hill of Fare, 1938 (G.M.). Muchalls, larvae common (E.P.).

Arctia caja L.

A. & K. Common. Larvae on birch in autumn, on many low plants in spring; two larvae on rhubarb, 1973 (R.M.P.).

Diacrisia sannio L.

A. Scarce. Inverurie; Monymusk; Park (Trail, 1878). Murtle Den; Invercannie (Cowie, 1902). Braemar (Cruttwell,

1907). Forest of Birse, 1971 (R.M.P.).

K. Banchory (Trail, 1878). Bervie (Gunning, 1896). Durris Forest, one, 1970 (E.P.).

***Spilosoma lubricipeda* L.**

A. & K. Abundant. Larvae on various grasses, ribwort plantain, dock.

***Phragmatobia fuliginosa* L.**

A. & K. Common. Larvae on heather.

***Tyria jacobaeae* L.**

A. Nigg, scarce (Cowie, 1902). Balmedie, c. 1960 (W.McW.).

K. St Cyrus (Gunning, 1896). Scarce. Cove; Muchalls (Cowie, 1902). Muchalls, c. 1960 (W.McW.). St Cyrus N.N.R., larvae on ragwort, 1971 (D.S.).

Noctuidae

***Euxoa obelisca* D. & S.**

A. Old Aberdeen, one (Trail, 1878).

K. St Cyrus N.N.R., one, 1961 (E.C.P.-C.).

***E. tritici* L.**

Abundant (Trail, 1878).

A. & K. Common on coasts, particularly on sandhills, but generally distributed and not uncommon inland.

***E. nigricans* L.**

Local but common (Trail, 1878).

A. Murcar Links, common (Cowie, 1902). Bridge of Don, 1971, rather scarce (D.B.). Dyce, 1972, 1973 (R.M.P.). Ballater, 1971 (E.C.P.-C.).

K. Muchalls, 1971 (R.M.P.).

***E. cursoria* Hufn.**

A. Old Aberdeen, rare (Trail, 1878). Murcar Links (Cowie, 1902). Common on sandhills. Balmedie; Newburgh; Forvie N.N.R. (R.M.P.).

***Agrotis vestigialis* Hufn.**

A. Abundant on sandhills (Trail, 1878). Murcar Links, common (Cowie, 1902). Common in the same areas as *E. cursoria*; also at Bridge of Don (D.B.). Dyce, one, 1972 (R.M.P.).

K. St Cyrus N.N.R., 1961 (E.C.P.-C.).

***A. segetum* D. & S.**

A. & K. Sometimes common.

***A. exclamatoris* L.**

A. & K. Generally common, abundant in places near the coast.

***A. ipsilon* Hufn.**

Common but uncertain in appearance (Reid, 1893).

A. Dyce, 1968, common (R.M.P.). Aberdeen, 1968, common (E.P.). Since 1968, only one, Dyce (1972), and a larva by E.C.P.-C. at Ordie, 1970.

Axylia putris L.

A. Rare. Peterhead (Trail, 1878). Inverurie (Cowie, 1902). Braemar, 1973 (N.G.).

Ochropleura praecox L.

A. Occasional. Old Aberdeen; Inverurie (Trail, 1878). Cruden (Reid, 1893).

K. St Cyrus N.N.R., 1961 (E.C.P.-C.).

O. plecta L.

A. & K. Common.

Eugnorisma depuncta L.

This species does not appear in any of the literature cited except for the statement in South (1961) that it seems "to be more frequently and regularly obtained in Scotland, especially in the woods of . . . Aberdeen". Apart from a specimen in Keighley Museum, Yorks., labelled Aberdeen, 1880 (J.C.L.), the only records are of very recent origin.

A. Ballater, five, 1971; Dinnet, one, 1971 (E.C.P.-C.).

K. Banchory R.T., one, 1973.

Standfussiaña lucernea L.

K. Muchalls, not uncommon (Trail, 1878). Most abundant on the Kincardine coast (Reid, 1893). Cove, common (E.P.). Muchalls, abundant (R.M.P.).

Noctua pronuba L.

A. & K. Abundant. Ova on seedheads of grasses, larvae on various grass spp.

N. orbona Hufn.

Local and scarce (Trail, 1878).

A. Ordie, one, 1971 (E.C.P.-C.).

N. comes Hübn.

A. & K. Common.

N. fimbriata Schreber

Local and scarce (Trail, 1878).

A. Pitcaple, rare (Reid, 1893). Murtle Den (Cowie, 1902). Newmachar, one, 1968; Dyce, one, 1973 (R.M.P.). Kemnay, rare (W.McW.).

K. St Cyrus N.N.R., two, 1961 (E.C.P.-C.).

N. janthina D. & S.

Local and scarce (Trail, 1878).

A. & K. Common (R.M.P.).

Graphiphora augur Fab.

Common (Trail, 1878). Abundant (Reid, 1893).

A. Plentiful. Cults; Blacktop; Murtle Den (Cowie, 1902). Scarce. Dyce; Oldmeldrum (R.M.P.). Crathie, 1953; Braemar, 1970; Ballater, 1971, 1973; Ordie, 1973; Cambus o'May, 1973 (E.C.P.-C.).

K. Common (Dalglish, 1894). Durriss Forest, scarce (E.P.).

Paradiarsia sobrina Dup.

A. Locally common. Countesswells; Blacktop; Murtle Den; Derncleugh (Cowie, 1902). Braemar, one, 1960; Ballater, 1971; Ordie, one, 1973 (E.C.P.-C.). Bennachie, one, 1973 (R.M.P.).

K. Scarce on coast (Horne, 1897). Blackhall (Horne, 1904).

P. glareosa Esp.

A. & K. Common.

Lycophotia porphyrea D. & S.

A. & K. Abundant on moors. Larvae on *Calluna*.

Diarsia mendica Fab.

A. & K. Abundant.

D. dahlii Hübn.

A. & K. Rather local but abundant in many places.

D. brunnea D. & S.

A. & K. Quite common.

D. rubi View.

A. & K. Common.

Xestia alpicola Zett.

A. Braemar, one (Trail, 1878). Near Braemar, a few (Reid, 1893). Braemar district above 2250 ft., three, 1962 (E.C.P.-C.).

X. e-nigrum L.

A. & K. Very common.

X. triangulum Hufn.

A. Dyce, scarce (R.M.P.). Turriff, 1972 (D.G.). Dinnet, 1970; Ballater, 1971, 1973; Ordie, 1973; Cambus o'May, 1973 (E.C.P.-C.).

K. Only at Muchalls (Reid, 1893). Den of Cowie (Cowie, 1902). Durriss Forest (E.P.). Banchory R.T.

X. haja D. & S.

A. & K. Very common.

(to be continued)